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I hereby certify that this transmittal of the below described documents is being deposited with the United States Postal Service in an envelop bearing Express Mail Postage and an Express Mail Label No. ET160940516US addressed to the Assistant Commissioner for Patents, Washington, D. C. 20231 on October 11, 2001 by David R. Gildea:

David R. Gildea  
signature of person making deposit

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## **UTILITY PATENT APPLICATION TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. RAD295

First Inventor: Manoneet Singh

Title: Method and Apparatus for Multicarrier Channel Estimation and Synchronization Using Pilot Sequences

Address to:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

### **APPLICATION ELEMENTS**

(See MPEP chapter 800 concerning utility patent application contents)

1. ☒ **Fee Transmittal Form**  
(Submit an original and a duplicate for fee processing)
2. ☒ **Applicant claims small entity status**  
See CFR 1.27
3. ☒ **Specification** **Total Pages: 45**  
(Title, Cross Reference, Statement of Fed R&D, Reference to sequence/table/listing appendix, Background, Summary, Description of Drawings, Detailed Description, Claims, and Abstract)
4. ☒ **Drawings (35 USC 113)** **Total Sheets: 13**
5. **Oath or Declaration (**
  - a. ☒ **Newly executed (original or copy)**
  - b. ☐ **Copy from a prior application (37 CFR 1.63d)**  
(for Continuation/Divisional with Box 18 completed)
  - i. ☐ **DELETIONS OF INVENTOR(S)** Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63d2 and 1.33b.
6. ☐ **Application Data Sheet. See 37 CFR 1.76**
7. ☐ **CD-ROM or CD-R in duplicate, large table or Computer Program**
8. ☐ **Nucleotide and/or Amino Acid Sequence Submission**  
(if applicable, all necessary)
  - a. ☐ **Computer Readable Copy**
  - b. ☐ **Specification Sequence Listing on CD-ROM or CD-R 2 copies or paper**
  - c. ☐ **Statement verifying identity of above copies**

Docket ID RAD295

**ACCOMPANYING APPLICATION PARTS**

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73b Statement (when there is an assignee)  
☒ Power of Attorney in Declaration
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449  
12 Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☒ Request and Certification Under 35 USC 122(b)(2)(B)(i)  
(Applicant must attach PTO/SB/35 or its equivalent)
17. ☒ Other Title page for application x  
Check for \$ 668 x

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application: \_\_\_\_\_

Prior information: Examiner \_\_\_\_\_ Group / Art Unit \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. Correspondence Address**

☒ Correspondence Address Below

COMPANY NAME Menlo Patent Agency LLC  
ADDRESS 435 Hermosa Way  
CITY, STATE, ZIP Menlo Park, CA 94025  
COUNTRY U.S.A. TELEPHONE 650-853-0189 FAX 650-324-9111

NAME David R. Gildea Reg. No. 38,465

David R. Gildea  
signature

October 11, 2001  
date

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Applicant: Manoneet Singh

Title: Method and Apparatus for Multicarrier Channel Estimation and Synchronization Using Pilot Sequences

## FEE TRANSMITTAL FORM

	NUMBER OF CLAIMS		EXTRA CLAIMS	RATE	FEES
Basic Application Fee					\$740
Total Claims	44	-20	24	\$18	\$432
Independent Claims	4	-3	1	\$84	\$84
If multiple dependent claims are presented, add				\$280	\$0
Subtotal of above calculations					\$1256
Reduction by 50% for Small Entity					\$628
Subtotal					\$628
Add Assignment Recording Fee				\$40	\$40
Total					\$668

☒ A check for the amount of the total is included herewith.

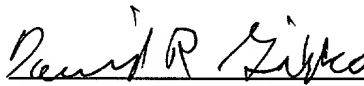
☒ The amount of the total is believed to be the correct fee due to the Patent Office for the filing of this application.

☒ Should the Patent Office determine that the amount of the total is in error for the filing of this application, the Assistant Commissioner for Patents is authorized to deduct the amount of the deficiency or credit the amount of the extra in the deposit account number 071248. The name and address of the depositor are:

David Gildea  
Menlo Patent Agency LLC  
435 Hermosa Way  
Menlo Park, California 94025

☒ A duplicate copy of this Fee Transmittal Letter is included herewith.

Date: October 11, 2001

  
David R. Gildea, Reg. No.: 38,465  
Menlo Patent Agency LLC

**REQUEST AND CERTIFICATION UNDER 35 USC 122(b)(2)(B)(i)**

First Inventor: Manoneet Singh

Title: Method and Apparatus for Multicarrier Channel Estimation and Synchronization Using Pilot Sequences

Docket No. RAD295

I hereby certify that the invention disclosed in the attached application has not and will not be subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 USC 122(b).

David R. Gildea

10/10/01

David R. Gildea

date

Reg. No.: 38,465

Menlo Patent Agency LLC

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application upon filing.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 USC 122 (b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of the application eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 USC 122(b)(2)(B)(iii)).